Digital Hot-plate Magnetic Stirrer LX901DMS

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Description

Digital Hot-plate Magnetic Stirrer LX901DMS is designed with a high-quality glass-ceramic work plate reaching up to 550°C, this unit features a PID-controlled heating system and a durable brushless DC motor. It supports an external PT1000 temperature sensor and offers clear real-time display monitoring. An integrated “HOT” warning function enhances safety by indicating residual heat.

Specifications

Work plate dimension (W x D)	184 x 184 mm
Work plate material	Glass ceramic
Motor type	Brushless DC motor
Stirring positions	1
Max. stirring quantity (H2O)	20 L
Max. magnetic bar length	80 mm
Speed range	100 - 1500 rpm
Resolution	± 1 rpm
Display	LCD
Heating temperature range	Room temp. - 550°C, Increment 1°C
Temperature control accuracy	± 1°C (< 100°C) ± 1% (> 100°C)
Overheating protection	580°C
Temperature display accuracy	± 0.1°C
External temperature sensor	PT1000 (accuracy ± 0.2°C)
Permissible ambient temperature and humidity	5 - 40°C, 80 % RH
Hot warning	50°C
Data connector	RS232
Protection class	IP21
Power	1050 W
Voltage	100 - 120 / 200 - 240 V 50/60 Hz
Dimension (W x D x H)	215 x 360 x 112 mm

Weight	5.3 Kg

Features

- LCD display for precise monitoring of speed and temperature
- Chemically resistant glass-ceramic work plate with efficient heat transfer
- Built-in PID controller for overheating protection
- Supports external temperature control via PT1000 sensor (accuracy ±0.2°C)
- Brushless DC motor for enhanced stirring power
- Dual rotating knobs for easy speed and temperature adjustment
- “HOT” warning indicator flashes when plate temperature exceeds 50°C, even after shutdown
- Remote function enabled for PC control and data transmission

Applications

- It is used to uniformly heat and homogenize samples or solutions in laboratory processes.

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